

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084197.D
 Acq On : 31 Dec 2015 16:20
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jan 02 03:43:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	302244	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1232407	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	559196	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1096818	20.00	ng	0.00
75) Chrysene-d12	14.05	240	816382	20.00	ng	-0.01
86) Perylene-d12	15.49	264	601917	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1761656	94.28	ng	0.01
7) Phenol-d6	6.52	99	2211004	94.21	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1346417	60.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	561010	99.37	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2334611	72.51	ng	0.00
78) Terphenyl-d14	13.01	244	2257673	61.73	ng	0.00

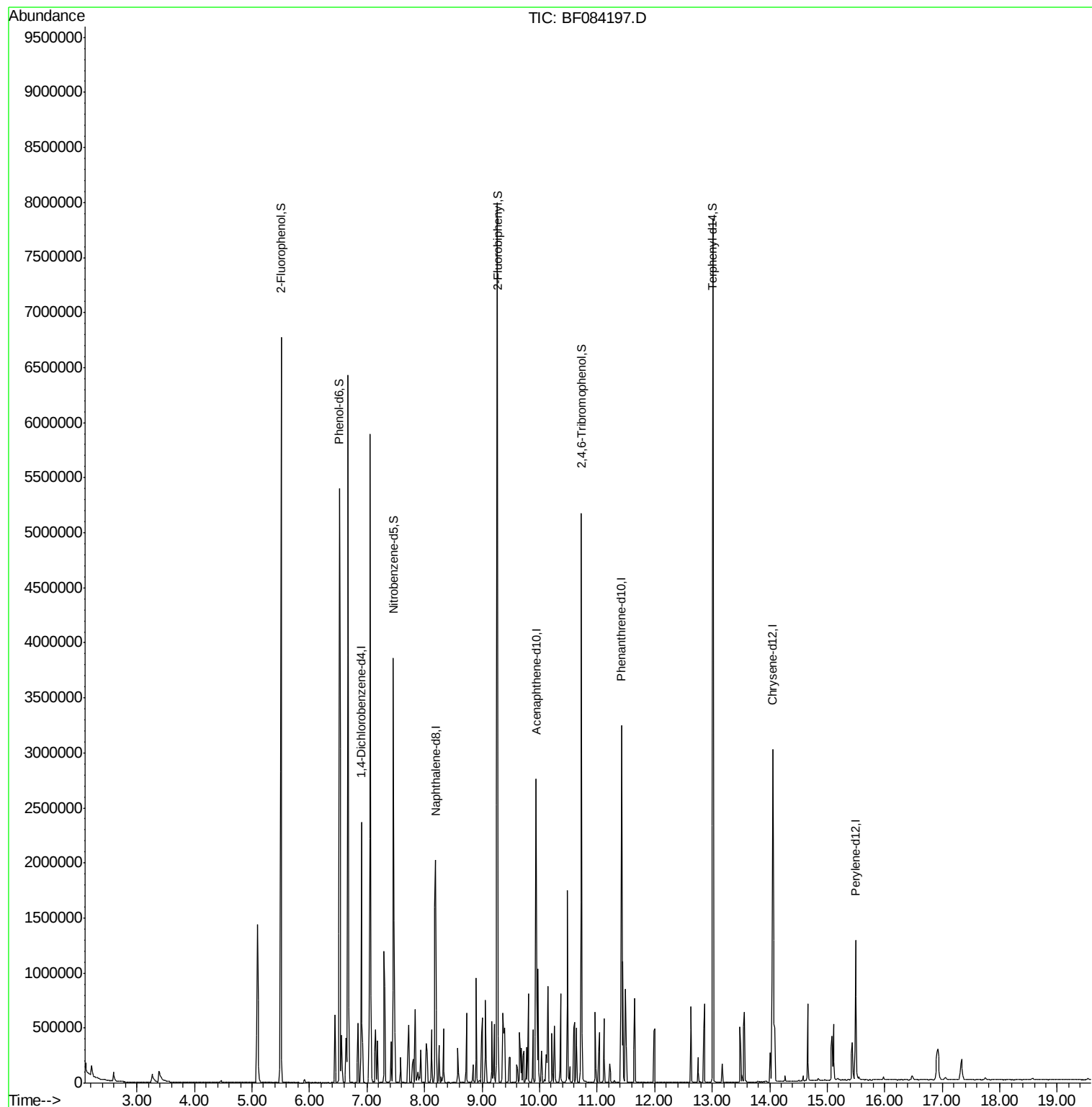
Target Compounds Qvalue

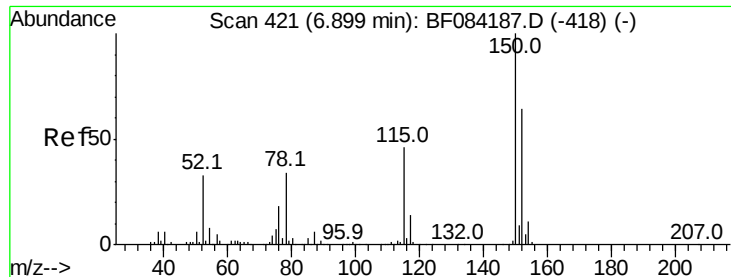
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084197.D
Acq On : 31 Dec 2015 16:20
Operator : UM/SJ
Sample : G4825-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Quant Time: Jan 02 03:43:57 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 14:15:57 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

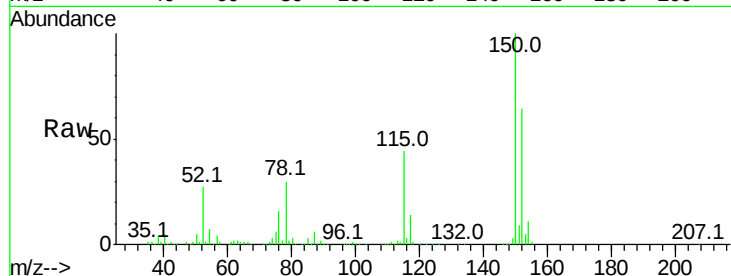
Tot Ion:152 Resp: 302244

Ion Ratio Lower Upper

152 100

150 155.7 123.0 184.4

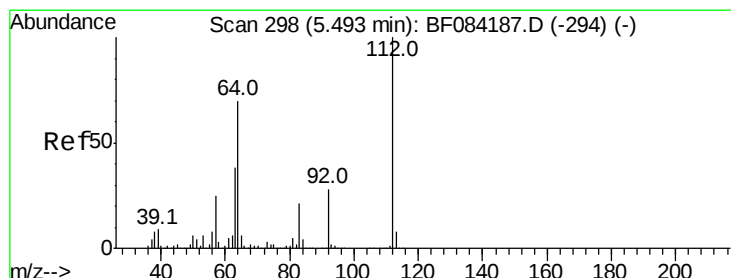
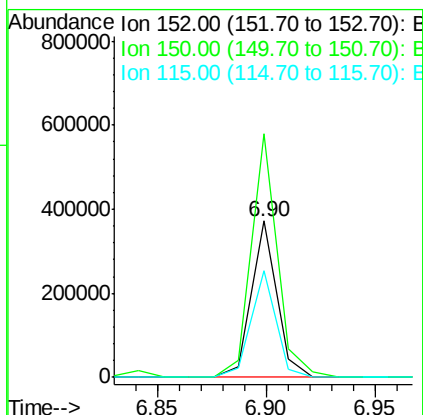
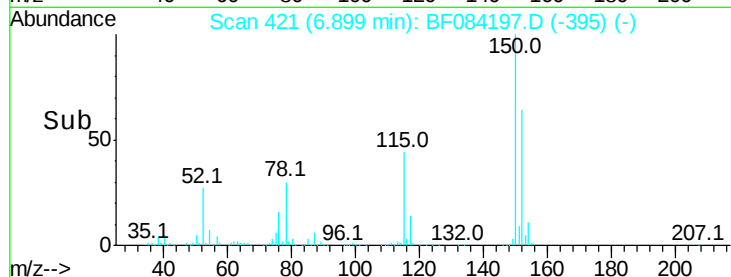
115 68.2 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 94.28 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

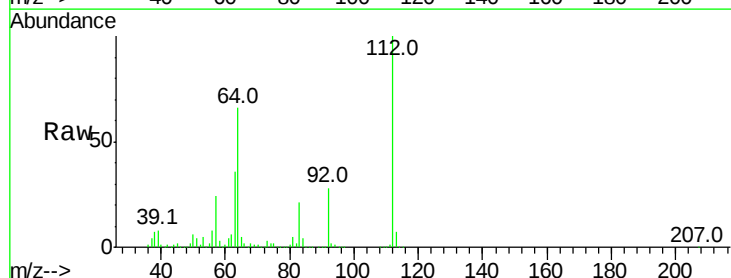
Tgt Ion:112 Resp: 1761656

Ion Ratio Lower Upper

112 100

64 65.6 36.6 55.0#

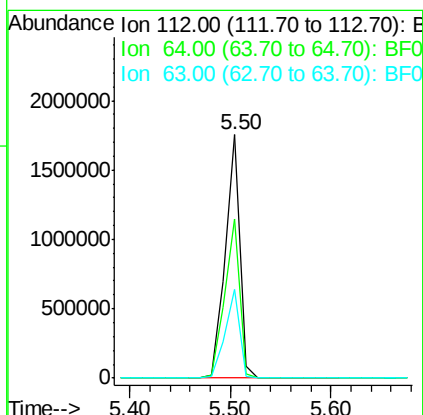
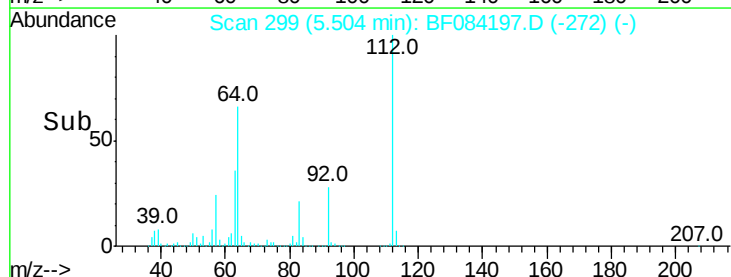
63 36.2 19.4 29.0#

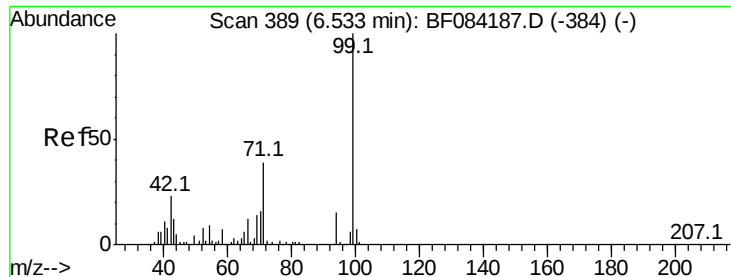


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.21 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

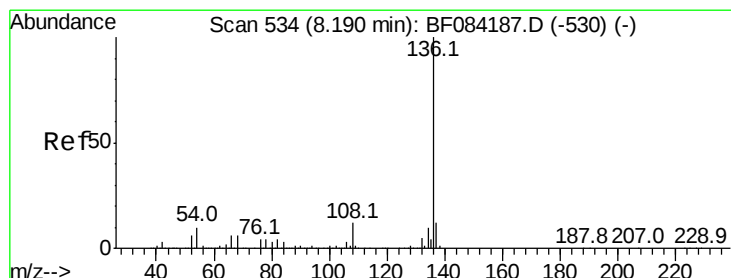
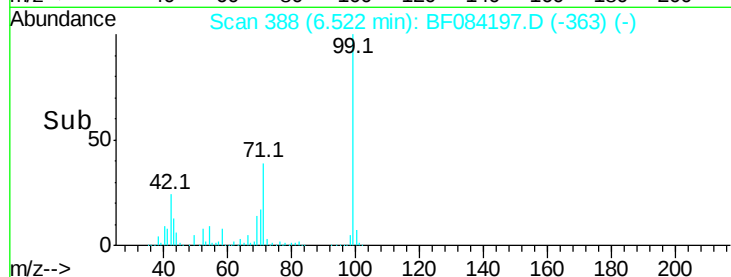
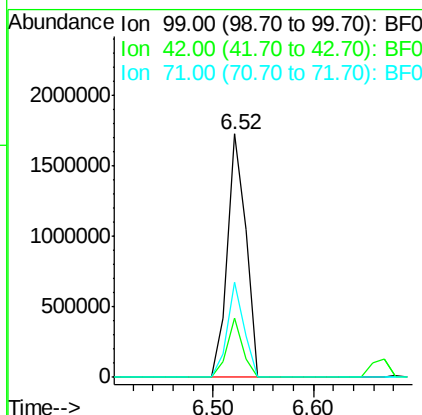
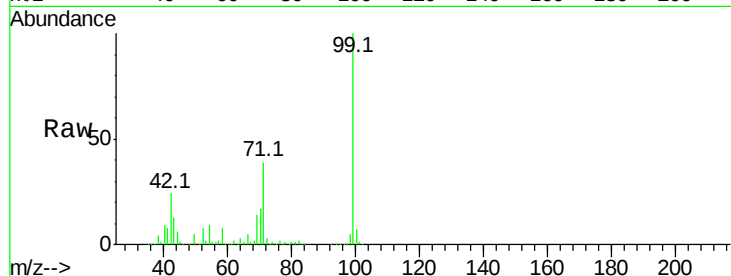
BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 99 Resp: 2211004

Ion	Ratio	Lower	Upper
99	100		
42	24.1	12.8	19.2#
71	39.0	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

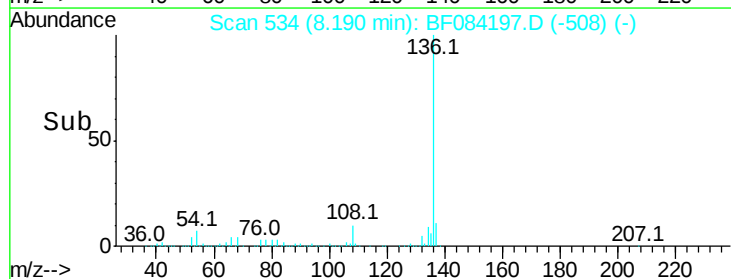
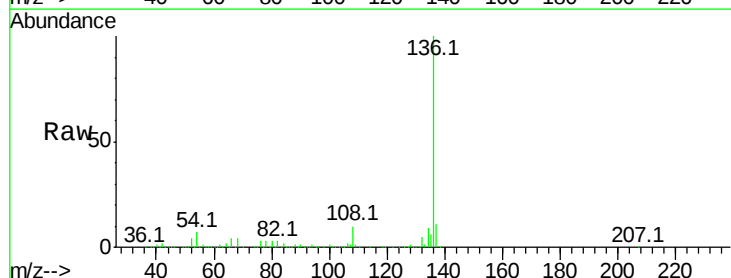
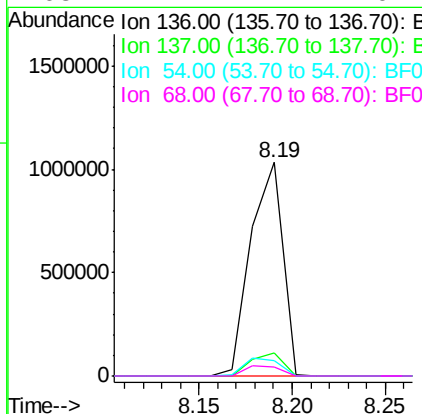
Delta R.T. 0.00 min

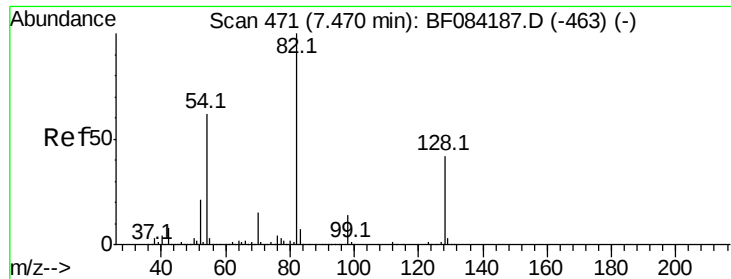
Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Tgt Ion: 136 Resp: 1232407

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.9	5.8	8.8
68	4.1	4.2	6.2#

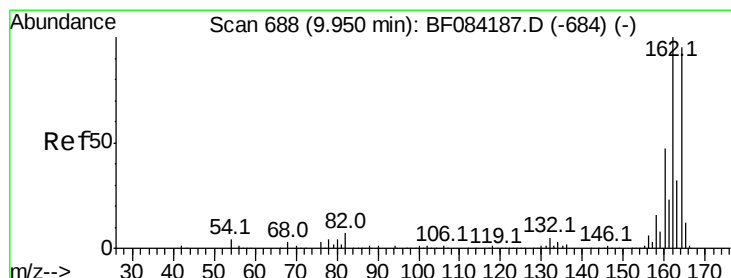
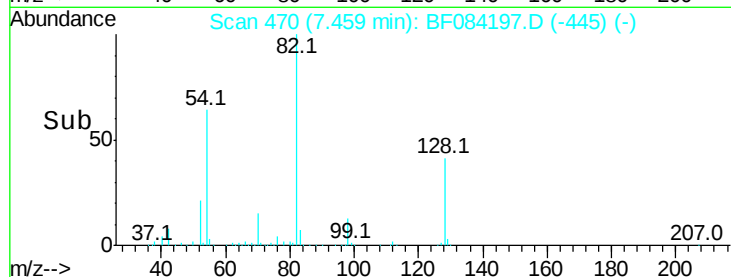
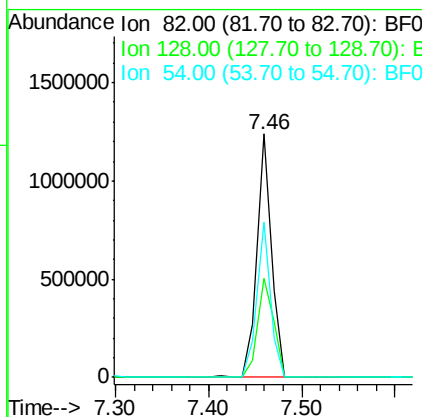
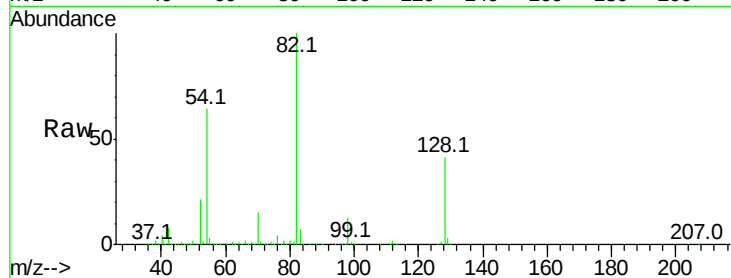




#23
 Nitrobenzene-d5
 Concen: 60.80 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

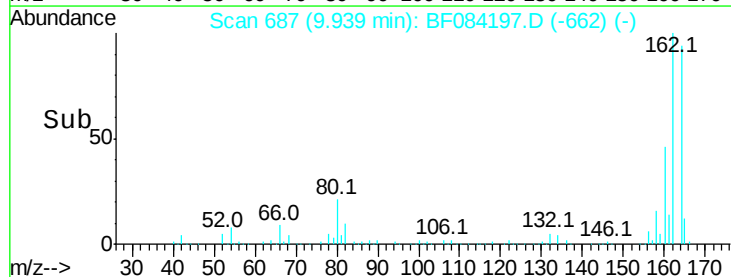
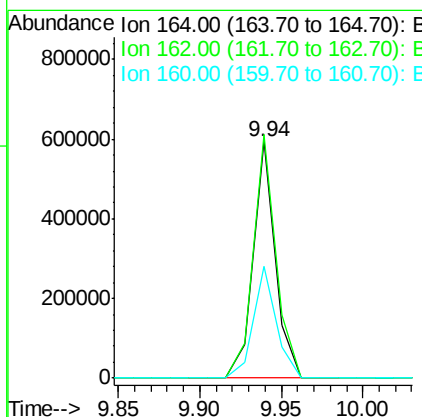
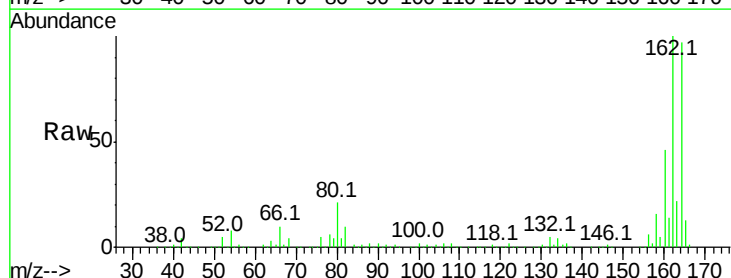
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

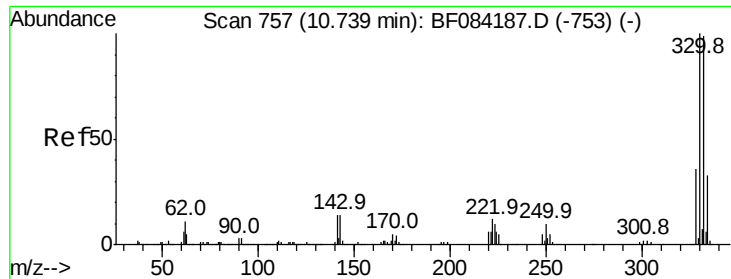
Tot Ion: 82 Resp: 1346417
 Ion Ratio Lower Upper
 82 100
 128 40.9 34.6 51.8
 54 64.0 38.4 57.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion:164 Resp: 559196
 Ion Ratio Lower Upper
 164 100
 162 102.8 85.1 127.7
 160 47.4 37.5 56.3

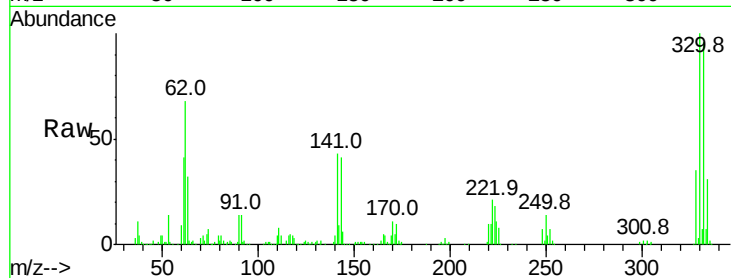




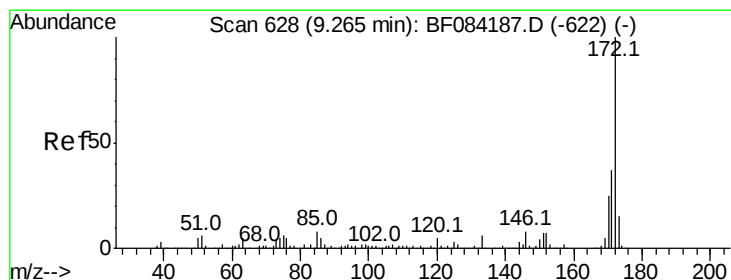
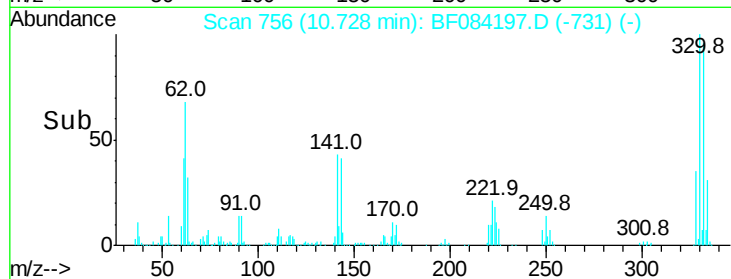
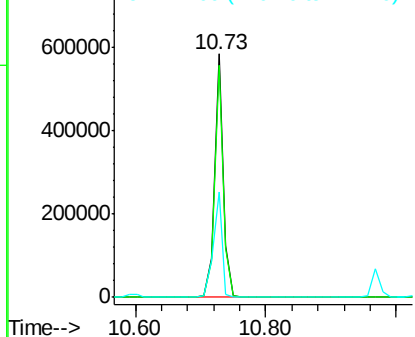
#41
 2,4,6-Tribromophenol
 Concen: 99.37 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	43.4	27.8	41.6#

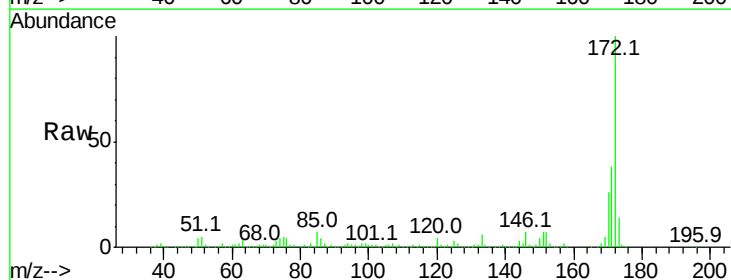


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

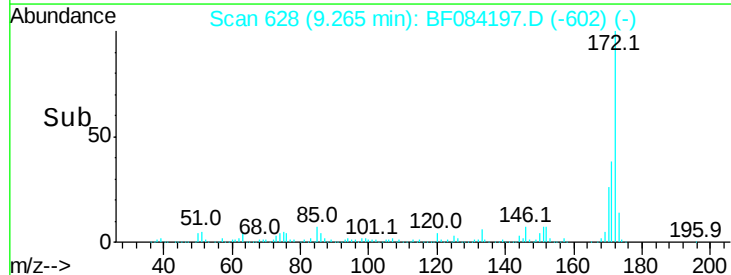
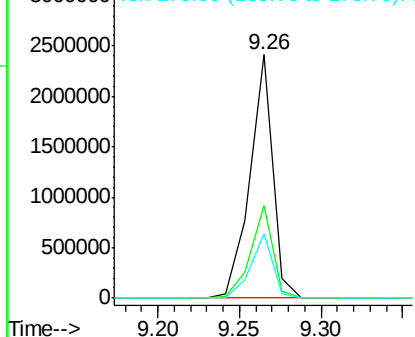


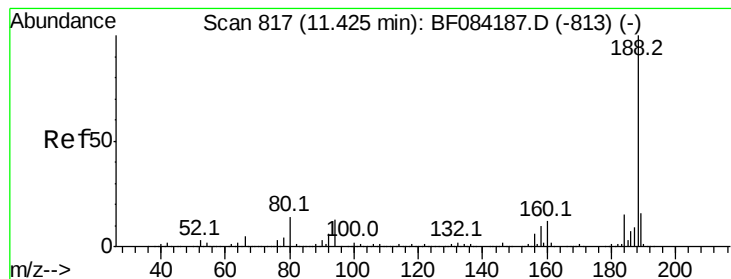
#44
 2-Fluorobiphenyl
 Concen: 72.51 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.9	43.3
170	26.5	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

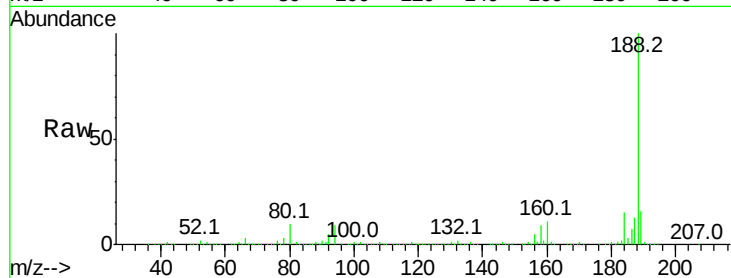
Tot Ion:188 Resp: 1096818

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

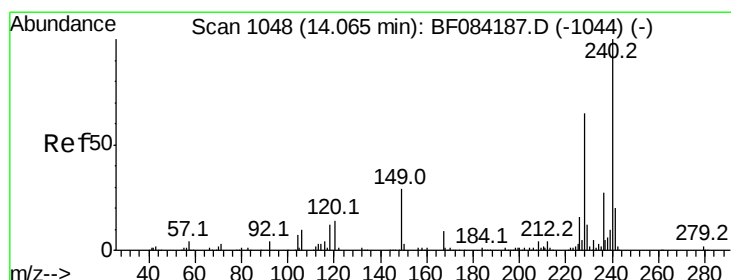
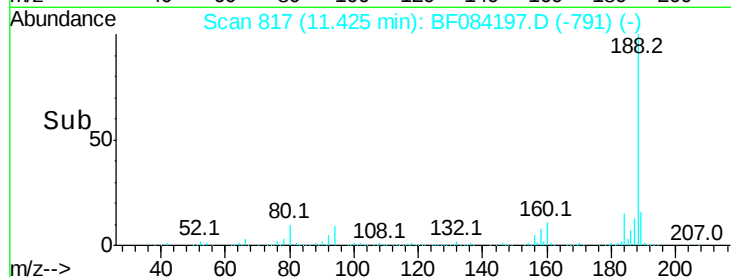
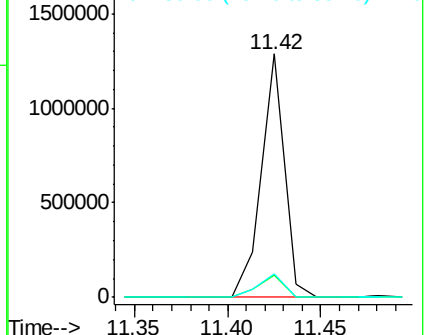
80 9.5 9.6 14.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084197.D

Acq: 31 Dec 2015 16:20

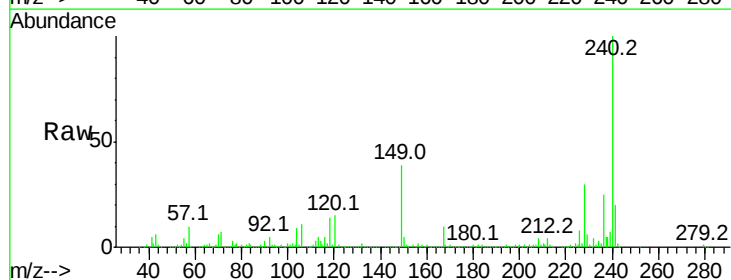
Tgt Ion:240 Resp: 816382

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

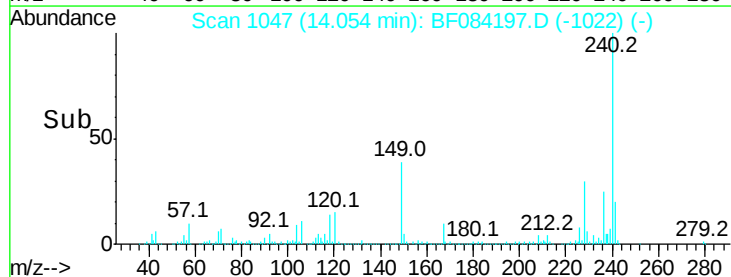
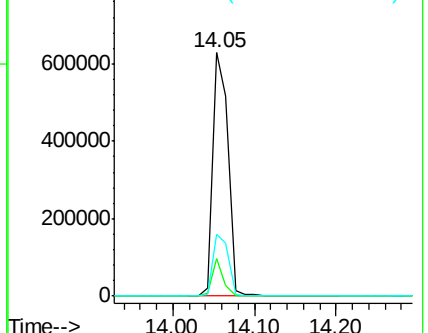
236 25.2 20.6 31.0

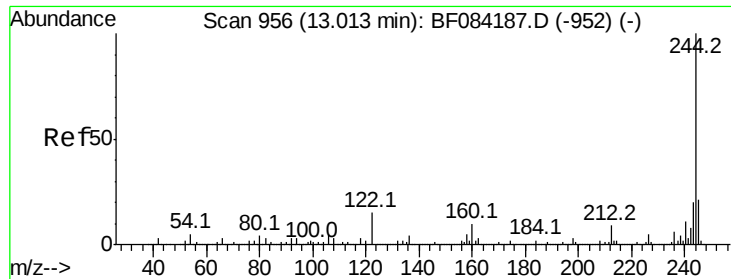


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

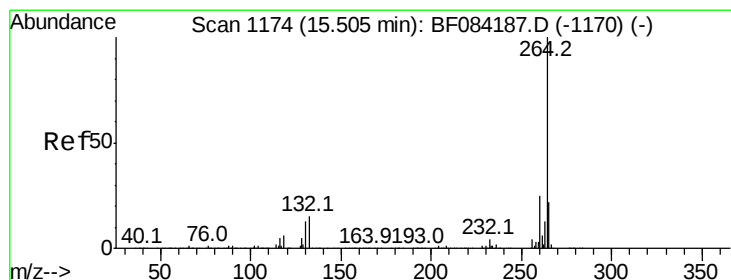
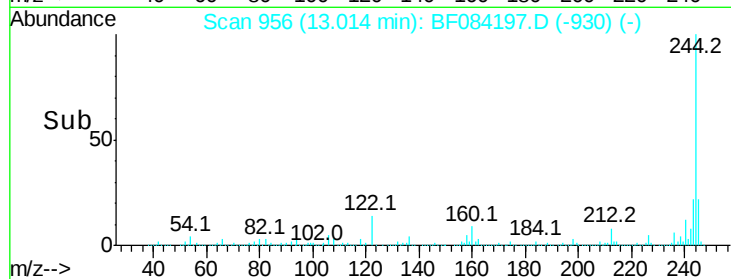
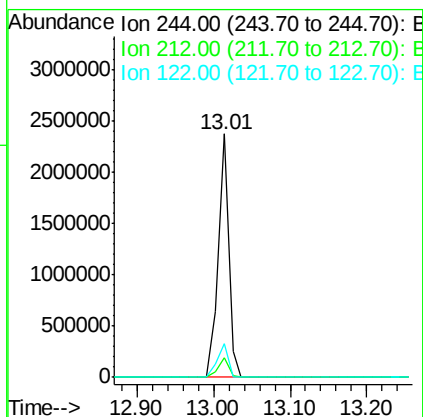
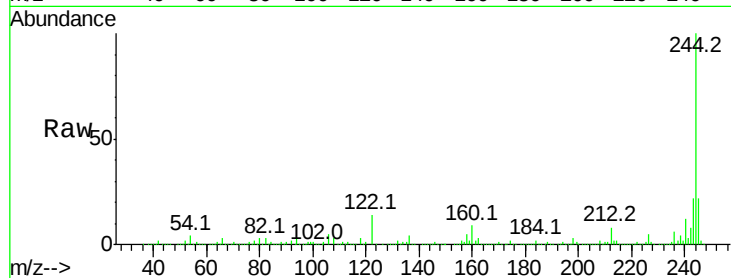




#78
 Terphenyl-d14
 Concen: 61.73 ng
 RT: 13.01 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:244 Resp: 2257673
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 13.6 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF084197.D
 Acq: 31 Dec 2015 16:20

Tgt Ion:264 Resp: 601917
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 22.4 17.8 26.6

